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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

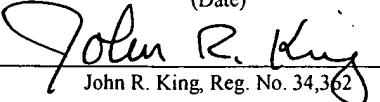
Applicant: Francis X. Canning
Filed: July 15, 2003
For: SPARSE AND
EFFICIENT BLOCK
FACTORIZATION
FOR INTERACTION
DATA
Atty. Docket.: CANNING.001CP2

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

April 21, 2010

(Date)


John R. King

John R. King, Reg. No. 34,362

COMPACT DISC TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Examiner Day requested that the computer program listing included in the original patent application be submitted in "ASCII" format on a compact disc.

Accordingly, submitted herewith in compliance with 37 C.F.R. § 1.96, is a computer program listing on compact disc along with an identical duplicate. Each compact disc complies with the following:

- (i) Computer Compatibility: IBM PC/XT/AT, or compatibles;
- (ii) Operating System Compatibility: MS-Windows;
- (iii) Line Terminator: ASCII Carriage Return plus ASCII Line Feed;
- (iv) Control Codes: the data is not dependent on control characters or codes which are not defined in the ASCII character set; and
- (v) Compression: contains uncompressed data.

In addition, the content of each compact disc contains the identical file entitled "CANNING001CP2_ComputerPgm.txt" which is 37 KB in size, and was created on April 21, 2010.

Atty. Docket No. : CANNING.001CP2
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If further issues remain to be resolved, the Examiner is cordially invited to contact the undersigned such that any remaining issues may be promptly resolved.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 4-21-2010

By: John R. King

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